

As I indicated earlier to you, I cannot stress enough how important the skill of naming and of writing formulas is to the work that lies ahead in the course. This sheet provides you with a mix of all the combinations we have learned to date... yes, there is more (a wee bit more) but lets first master these.

OBJECTIVE: GET 60 OF 68 CORRECT

1. Write the formulas for the following compounds:

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|-------------------------|----------------------------|----------------------------|
| a. magnesium oxide | m. copper (I) oxide | y. sodium fluoride |
| b. sulfur dioxide | n. aluminum sulfide | z. arsenic (III) phosphide |
| c. tin (II) fluoride | o. xenon tetrafluoride | aa. lithium selenide |
| d. carbon dioxide | p. carbon disulfide | bb. carbon tetrachloride |
| e. aluminum nitride | q. antimony (III) sulfide | cc. cobalt (II) sulphide |
| f. lead (IV) nitride | r. beryllium oxide | dd. nitrogen monoxide |
| g. silicon tetrahydride | s. dinitrogen tetroxide | ee. barium oxide |
| h. potassium sulfide | t. mercury (II) oxide | ff. tin (IV) sulphide |
| i. iron (III) chloride | u. strontium phosphide | gg. sodium nitride |
| j. sulfur trioxide | v. tin (IV) iodide | hh. silicon dioxide |
| k. calcium bromide | w. diphosphorus trisulfide | ii. dichlorine monoxide |
| l. carbon monoxide | x. dinitrogen monoxide | jj. iodine heptachlorid e |

2. Write the names for the following compounds. Where appropriate, write both the IUPAC as well as the -OUS / -IC method

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|--------------------------|----------------------------|----------------------------|----------------------------|
| a. Li_2O | i. NiO | q. BeF_2 | y. Hg_2S |
| b. PbS | j. P_2S_5 | r. FeP | z. CaO |
| c. CF_4 | k. CaF_2 | s. CS_2 | aa. SbF_3 |
| d. AlCl_3 | l. PBr_3 | t. SiC | bb. Ag_2S |
| e. SnO_2 | m. CuI_2 | u. K_3P | cc. MnO_2 |
| f. NF_3 | n. Al_2O_3 | v. AuBr_3 | dd. SeCl_2 |
| g. MgS | o. PbCl_4 | w. Mg_3P_2 | ee. Cl_2O |
| h. NH_3 | p. PF_5 | x. ICl | ff. P_2O_5 |